# The Mining Journal

## RAILWAY AND COMMERCIAL GAZETTE

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 338. -- Vol. XII.]

LONDON: SATURDAY, FEBRUARY 12, 1842.

[PRICE 6D.

PETER HARRISS ABBOTT'S BANKRUPTCY.

POLICIES OF INSURANCE, SHARES, AND DEBENTURES IN MINING AND OTHER PUBLIC COMPANIES.—TO BE SOLD, BY AUCTION, by Mears. Brooks and Green, at the Auction Mart, in the city of London, on Wednesday, the 16th of February next, and following day (by order of the assignees), six policies of insurance for sume amounting to ±5000; 37c shares in East Wheal Forthure, Folpetro, Wheal Brothers, Balmer Downs, and Wheal Heary Mines; 275 debentures in the Eastern Coast of Central America Company; 25 shares in the Adelaide Galvey, 66 shares in the Staffortsight Hemp and Flax Company; 26 shares in the British, Irish, and Coloulai Silk Company; 24 shares in Sir John Anderson's Fleam-Carriage and Waggoo Company; 29 shares in Perkins's Steam Carriage Company; 27 shares in Perkins's Steam Carriage Company; 27 shares in the Perkins's Steam Carriage Company; 27 shares in prekins's Steam Carriage Company; 27 shares in the prekins's Steam Carriage Company; 27 shares in the Death of the Commercial Steam-Packet Company; and two patent rights.

Printed particulars are in preparation, and may be had (fourteen days prior to the sale) of W. Penneil, Esq., official assignee, Basinghali-street; of Mossrs. Turner and Heanman, solicitors, Basing-lane; at the Auction Mart; of Adam Murray and Bons, surveyors and land agents, 47, Parliament-street; and of Mesars. Brooks and Green, 28, Old Bond, 570

M INING MATERIALS FOR SALE.—The following Materials will be SOLD, by AUCTION. at POLGGOTH MINE, near 'St. Austell, on Tuesday, the :2d instant, and following day; the sale to commence precisely at Eleven o'clock in the foremon:

A 64-inch CYLINDER STEAM ENGINE, steam case, and two boilers—weighin, twenty-six tons.

A 26-inch CYLINDER STEAM-STAMPING ENGINE, with six tons of boilers.

A 20-men CYLINDER STEAM-STAMPING ENGINE, with six tons of boilers.

SMALL-PRESSURE ENGINE.

WATER WHEEL, 3:-ft. diameter and 6ft. in breast; ditto, 2ft. diameter as

5ft. 5to. in breast.
TWELVE WATER STAMPING-MILLS, with wheels, varying from 10 ft. to 15 ft.

is 19 inch pumps; 2 17 inch ditto; several 6-inch ditto; 29 inch plunger-pole, with stoffing box and glaud; 20 inch top door-piece; 13-inch windbore; 14-inch consection-rods, with rod-plates and pins to match; rod and flanch bolts; 2 capstass and 2 shears; a quantity of brass, new and old wrought iron, and old east iron; smiths and miners' tools; several horse-whims, stamps, axies, and a variety of other articles, to numerous to be described.

Polycoth is situated about three miles from Pentewau, and the same distance from Charlestown, at both of which places any of the materials may be ahipped will the greatest facility.— Dated Polycoth Mine, Ph. 6.

EAD MINE ON SALE.—TO BE SOLD, BY AUCITON, at the White Horse Hotel, Holywell, on Wednesday, the 2d day of March next, at Four o'clock in the atternoon, unifect to such conditions of sale as shall be then agreed upon, all that very valuable and well-known lead mine, called the MOLYWELL LEAD MINE, situated near to the town of Holywell, and comprising an almost unlimited extent of mineral land. The mine has been survived by means of an adit level, which has been driven nearly a mile in length, and drains to the depth of seventy yards. There is a ateam-regime on the mine, used for pumping and winding, and is in excellent repair. Very few trials have been made below level, are it in doubt wixts in the minds of the most experienced miners of there being abundance of ore under the present workings. The profits, for many years, averaged from £700 to £70,500 per onnum. The lands are held under leases from Bir P. Mostyn, Bart., the late B. Pennant, Eq., E. W. Grainger, Esp., and others,

For further particulars apply (if by letter, post paid) to Mr. Samuel Williams Fundre, Holywell, Plintshire.

FO BE SOLD, THE KEXBROUGH COLLIERY, situate four miles from Barusley, Yorkshire, and near to the Barusley Canal, by which, and two competing lines of canal, the Aire and Calder, or the Dearne am Dove, with the River Boo, it is connected easily and cheapty with the part of Gonie and thence with the cenats of Linescondite, Norfolk, Boffolk, Kent, and Runen, and the port of London. The works and machinery are entirely new, and of the most unbatantial character, and comprise there pits, with new pumping engine of great power, wieding-engine, railway-engine, railway-engine, railway-engine, railway-engine, condition, and, with a moderate outlay, is canable of raising not less than 10n,00 tone annually. The Parkgul word, which is won at the depth of 140 yards, is 4 ft. sin. thick, and a good house free coal. It is also well is also the neighbourhood. The Tankersley ironstone, a well known mine, and the Picck. In thick hed of coad, are also won by the engine-pit, and might be worked at the fight of fifty yards. The lesse has thirty-five years unexpired to run, and comprehends the coal moder more than 700 acres, with an additional field if ercensary. De colliery has been recently merceyed by an emissant colliery viewer, whom re years more seen. The coal has been tried and approved in London.

Eq., Bretton Loige, Wakefield to Mr. Embleton, eelitery viewer, Middleton, near Leeds; or to Messes, Payne, Eddison, and Ford, solicitors, Leeds; and to view to Mr. Timothy Marshall, Darton, Barnsley.

ALLESWIDDEN MINE, St. Just, Cornwall.—In coinsequence of the outlay in this union being larger than was calculated on, it has
been determined to increase the another of charos from Eighty-acren to Ose Hunbed and Forty, five. Of these additional shares, eighteen will be beld by assess or
be present adventurers, but as a coolsiderable portion of the mine is beld by trust
as who do not consider themselves authorised to extraol their adventures, it has
not resulved to offer POR SALE, by PRIVATE CONTRACT, PORTY 140raMARES in this very productive and highly promising mase. Baltoweidden is
betted on an tocalmantitle losis; is producing upwards of fits tone of the per most
tod is capable of yielding a much larger quantity. There are on the mine-confart encion, two steams whims, two steams stamps, working 144 heads, two large
moter, wheels, working thirty six stampheads, its horse whims, and every requisite
meters wheels, working the profitably working the solos. The present is a most
affile opportunity for the investment of capital, as the mine is in full course of

Plans and sections of the mice may be seen, and every information obtained, at sears. T. and W. Boiltho's, B. Penchurch street. London, to whom application r shares may also be made: at the counting-house of Mr. R. V. Davy, the purser, became; or in the captains on the mice.

TREVIDGIA MINE, near St. Ives.—It being contemplated to DISPOSE of this MINE and the MACHINERY on St. or a portion of these, is PRIVATE CONTRACT, the same may be inspected at any time, on previous application to Captain William Blight or Mr. Thompson, the agents on the mine and all terther particulars may be obtained from W. J. Henwood, Esq., Clargetterst, Penzanco.—Jan. 31.

HEAL PROSPER.—TO BE SOLD, either separately or fogether, TWO (98th parts of) SHARES of and to all that premiseing Mine, Bed WHEAL PROSPER, eithere in the partisbes of 8th Agrees and Perramathiological the country of Corawall. Speciment of the index may be seen on application to drain Knowr, on the Mine; and for further particulars respecting the said cinera, and post paid; the "G. N.," at the Pusi-office, 8t. Agrees.

COAL, HONSTONE, AND LIMESTONE.—TO BE LET.

1. A fail of several thronsand series of IRONSTONE.—TO BE LET.

1. A fail of several thronsand series of IRONSTONE and GREAT MOUN

LIMESTONE, of first-rate quality, lying contiguous to each other, with several several of CoAL, producing the hest code in the immediate ratio have a series of Enthrope and within several of Woodcaptams, in the country of Burdans, and hering ratioway combination to the sex.—E. A first of several honders says of CoAL, in the masses thereon Carow, in the country of Burdans, inter-sected by the Workshin and Sartie.

2 Radway, and distinct within three moles from the part of Hartispend. The re
2 th wiscology of small in the near workshipsonsthough have catalificated the existence of a wiscology of small in the near workshipsonsthough depths.

NDREW SMITH'S PATENT WIRE RO<sup>10</sup>ES, for standing rigging, lighteing encoloring, circuming of blocks, mining, smiway, and go-purposes, about half the size and weight of become rapes, and 25 per cent.

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ANDREW SHIPE'S PATENT WILE SIPE.

IN cope has been to come for simulating rigging to has Majerity a Nary, and in a

t-construct meetiman recognit, for appearance of an appearance giving the highmindustries. The major is also completely to recise and callways in different

TO IRONFOUNDERS AND OTHERS.—TO BE LET, small IRONFOUNDERS and House adjoining, in Comms street, Richmond row, Liverpool. The incomming tenant may have the ontion of taking all the conveniences on the premises, at a valuation, consisting of casting-boxes, patterns all kinds, cupols, fan-machine, amithy utervilla, and every thing requisite for carrying on the ironfoundry business.—For particulars, apply to Mr. John Jones, on

2.8.—Mr. Jones takes this opportunity of offering his services to any one who y require a SUFBRINTENDANY, of practical experience, either in a foarty iding, or other establishment, in town or country.

TO THE OWNERS OF IRON-WORKS, COLLIERIES, &c. A Person, who has had considerable experience in the erection and management of hist-furnaces and the engineering department of an iron-work and collectics, is desirous of obtaining a situation; he can be well recommended by his present employers for respectability of character and ability as an engineer. Communications addressed "A. E., "?, Horald office, Glasgow, will be attended to

TO COLLIERY OWNERS, &c.—WANTED, a situation as VIEWER and ENGINEER, by a young man, who is well acquainted with every branch of the business, having served a required a payenticeship at one of the principal collieries on the Wear. Excellent testimonish as to ability, &c., may be had, if required; letters addressed to "A. G.," Post-office, Newcastle, will make with immediate attention.

PRISTOL and EXETER RAILWAY.— Notice is hereby given, that the next HALF-YEARLY GENERAL MEETING of the proprieture of this company will be held, in pursuance of the Act of Parliament, at the White Lion Hotel, is the city of Britsin, on Thursday, he had of March, at Tweete o visick, for the election of four directors in the room of those who retire by rotation, and for other affairs. The chair will be taken at One o'vicek precisely.

\*\* The retiring directors may be re-elected. Shares in arroar do not cuttile its colders to vote. The transfer tooks will be closed on Monday, the Jist February and not re-opened until after the said General Meeting, on the lift of March.

By order of the board of directors.

HAYLE RAILWAY COMPANY.—Notice is hereby given that a HALF-YEARLY GENERAL MERTING of proprietors will be held their offices, Rectary House, London, wall, London, on Baturday, the 28th inst. to One o'clock precisely, to elect three directors, two of whom—viz., William Dobres and George Dobres, Esqra., who retire by rotation, and are eligible for re-election or receive the report of the directors, with a yearly statement of accounts; and or concern business.

By order of the board of directors.

COPIAPO MINING COMPANY.—Notice is hereby given, that a HALF-YEARLY GENERAL MERTING of the characholders of initial company will be held at their office, 23, Austinifiars, on Thursday, the right instant of One o'cloric precisely; and notice is further given, that such MERTING will be nade SFECIAL, for the purpose of filing up two vacancies which have occurred in edirection of the said company. Any shareholder desirons of offering himself a sabdisher for the direction in requested to send notice of such intention to the services.

27, Austinfriars, Peb. 7. By order of the directors, PRED. GREI

DURHAM COUNTY COAL COMPANY.—Notice is hereby given, that the WALF-YEARLY GENERAL MEETING of proprietors is this company will be held at the Sun Inn, Darlington, on Thursday, the 24th day of February. The chair to be taken at Twelve o'chock precisely.

DE DUNSTANVILLE COPPER MINING COMPANY.—
Notice is hereby given, that a CALL of ZEN ScillLings per share was this
day made by the directors on the shareholders of the above Mine, to be paid, on or
before the lat day of March next, at this office.

26, Birchin-lane, London, Jan. 26.

FAST TRETOIL MINING COMPANY.—The directors for by give notice, that in pursuance of the authority wedse in them by the y gulations conductated on the scrip certificates, they hereby CALL for a FUGTHER INSTALMENT of its persuance, in respect to the capital of this conspany, the can be paid at the office of the company, 6, 81. Milister's court, Foultry, London, or before Monday, the 1th day of March next. The serie certificates must be less the office for the purpose of having the call coulded thereon.

GREAT WHEAL CHARLOTTE MINING ASSOCIATION.

Notice is hereby given, that a SPECIAL GENERAL MESTING of the shareholders will be hold at the George and Vulture Tavorn, Carabill, on Monday,

IMPERIAL BRAZILIAN MINING ASSOCIATION.—Note is hereby given, that a GENERAL MIETING of the proprietors of this association will be held at the London Tavorn, Baladongaste street, on Thursday, the 2 day of March next, for the election of three directors in the pieces of Thos. Gibbon Eng., Bit jaxae Lyon Goldsmid, Bart, and John Way, Eng., directors, and of on notitor, in the pieces of Thomas Gibbon, will not work to the pieces of the total and 25th chances of the dreed of setficiences, but who, being registre, of the total and 25th chances of the first of setficient, but who, heigh registre, of the total and 25th chances of the first of setficient, but who, heigh registred to a prencrient to give notice at such meeting, of his indicature in Zempos a byz, law, setficulating the fature re election of directions and antifluor going out office by relation, to take piece at the half-yearly meeting in May in each year, The chan could of an amount meeting being our convenee in March for that progress. The chan

NORTHERN COAL MINING COMPANY.—Notice is hereby given, that a CALL of TWO FOUNDS per share was this day made by the direction, and pay meet thereof is required to be made, on or before the 70th day of March next, at office the Newsantie upon. Type Joint Short Kowantie upon. Type, the Read of Registed Short, Sorrevet, Varenouth, and Spewich; or the London Westminster Joint Short March, London.

Channel Westminster Joint Short Shark, London.

RETH CONSOLIDATED MINING COMPANY.—SIXTH CALL.—The directors of the Resets Commerciated Missing Company bester; we notice, that they have thin day made a CALL of SEVEN SULLAINIS and SIX-PENCE per chare upon the shares of this company, and the pumpications of shaces therein are requisited to pay the automat, on or before the Test of February next, at the bank of Messex, we When Williams Breach, Charles Barr, and Ca., bankers, Leeds.

By center of the directors.

JOHN BLACKBURN, Say.

N. E.—Shareholders seglecting to pay their calls, according absolute forfaiture of their status.

WEST CORK MINING COMPANY.—Notice is hereby given, that the GERERAL SIALF-TRASLY MERTING of this entitator, will be held at the therepy and Vulture Turers. Clerificit, in the city of London, or Turoday, the left day of March nearl, at One or timel in the effection of translation of the company, and also for the election of two discretions and one autitor, and take notice, final every projection introducing to become a continue of march the little of the effect of the effect of the effect of the effect of the entire of the insertion of the aetween projection and the entire this issue, that the effect of the entire of the insertion of the aetween the entire entire entire the insert. On the other of the entire of the entire

THE PATENT SAPETY FUNDAMENTAL PROPERTY OF USE.

FOR SEASTING SOCKS IN MINES, QUARKER, AND FOR SENSARING OFFEATIONS.—This stricts affects the subset, chargeoff, and most expeditions around of effecting this vary logarisations operations. From toxic feetimental to its coordinates with stricts the situation forces to best for every part of the kingdom, they aries the failureing latter, passedly measured from John Taylor, Seq., F.S., &. &.

"I am vary glad to hear fluit my recommendeditions have been from of any service to me. They have been given from a thorough constrained of the great unstalled on the fluits; Plane; and I am quite willing that you should omigin my name as enmore of this."

Constitutional and said by the Paleston, MCKFORD, SISTER, and DAYET abords, Corewall. SIMS'S IMPROVED STEAM-ENGINE.—Mu, JAMES SIMS (engineer, of Redrath, in the county of Cornwall,) begs to inform minor manufacturers, stram-packet companion, &c., that baving, by several experiments now at work in Cornwall, proved the GREAT SAVING OF FUEL EFFECTED, and the great ADDITIONAL FORER OBTAINED, by his PATENT IMPROVED STEAM-ENGINE, is resaly to engage for the manufacture of them on the follow-

An engine of 10 feet stroke, equal to the power of an 60-inch cylinder Bookloo and Watt single power pumping-segime, with bothers, and every metalite part complete... Equal to the power of a 70-inch cylinder, 1s feet stroke, with bothers, &c. as obove

The above prices are for mining and manufacturing purposes—marine engines would be more expensive. Mr. Binn will also engage to after single power pumpon, engines, and will, by the aiteration, orages, under a heavy penalty, to increase the power low per cent., without an increased consumption of fact. And he will also further engage to after double power Boutlos and Watt engines, whether working rotary or reciprocally, and save one half of the fuel. Engines on the improved plan may be seen at work at the under mentioned planes any day (Sandawa xoveyted), viz.—A large pumping-engine at the Carn Bren Misses, soar Redwift, stamping-engine at Coch's Kitchen Misse, alcolaing a winding engine at Pottometry. Engines on hand, and will soon be at work:—A libered pumping-engine at the North lower Misses, the pumping and the North lower Misses, the late of Man; a 47-lack pumping-engine at the North lower Misses, the late of Man; a 47-lack pumping-engine at the North lower Misses, the Misses of Man; a 47-lack pumping-engine at the North lower Misses, at the Misses of the Misses of Man; a 47-lack pumping and winding, for the Tailor Misses. Misses Misses (two engines, for pumping and windings for the Tailors, in Fillsthrier; and a winding-engine for the Carn Brea Misses.

WHEAL ANN TIN MINE, in the parish of Wendron, Cornwell.—All persons idlanting any shares, estate, or interest, in the charamentioned mine, are requested to send the particulars of their respective chalma,
pre-paid, to Captain William Bichards, Radruth, Carswall, on or before the 21st of
Perbrury; instant; in setant threads, they will be decement to have reinquished and
shandoned all their respective shares and interest in the oaid mine, and the sette or
tectures under which the said mine is, or lately was, worded and carried on, will
terthwith surrendered and yielded up to the grantors thereof.

Tehrany?

M ETROPOLITAN PATENT WOOD PAVING COMPANY.

—The directors of the Me ropolitan Patent Wood Paving Company heaving resolved, at a special meeting, called in pursuance of the Bond of Settlement, whele the sith inst., that an INSTALMENT of ONE POUND per share be called for proprietors of shares in this company are hereby requested to pay on or before the 3d of March, to the bankers of the complany, Messars, Glys, Haliban, and On, the sum of 4l per share on each of their resoccitive shares.—Letters of direction to be obtained at the office of the company. The bankers are instructed to charge inspected, at the rate of 4's per cent, per annual, on all sums which shall be tendered after that day.

By order,

W. PROSBER, Jun., Secretary.

A. Millbank-row, Westminster Feb. A.

MOKE NUISANCE.—ECONOMY OF FUEL WITHOUT THE NUISANCE FROM SMOKE, by C. W. WILLIAMS'S AIR FURNACE.—The principle of this furnace consists in the mosts by which the air is introduced to the gaseous matter evolved from oral, whereby a more perfect combination of the constituents in effectsel, the process being conducted on true chemical principles as explained by Mr. Williams, in the Trunties on the Combination of Cost. A furnace constructed on this principle may, by permission, the halfy mon in action of the liverpool and Harrington Water, works, folio struct, Liverpool.

Por further information, apply to Directs and Chy, againt, to Wm. Routher the contract of the construction of

A N ACCOUNT OF THE PATENT AND OTHER MODES
OF PREVENTING OR CONSUMING SMOKE, frawa up by desire of the

The work will contain a trief amount of every plan amounts to the London Common Common, the London Common Common, the London Common Common, the London Common Common, and of several one before published; and will give information at ource often, concion, and of several one before published; and will give information to some one, concion, and imparted showing in how many ways this important object may be effected, and manhous showing in how many ways this important object may be effected, and manhous the order or alter engineer or furnament to choose the construction filted for their boundity and purposes.

Price, without pintes, i.e., per, for distribution, per degree, for per business, with litheyraphic pinters and explanations, its, with a proportionale resinct.

COMBUSTION of COAL, CHEMICALLY & PRACTICALLY CONSIDERED. With coloured plate.

London: Simplin, Marshall, & Co., and J. Woole; Birnainghem: Wrights. Switch

A TREATISE ON TRIGONOMETRICAL SURVEYING.

LEVELLING, and RAILWAY ENGINEERING.

BY WILLIAM GALBRAITH, M.A., F. R. Sh. A. Reinborgk, F. R. A. R. Verner, William Statement and thou, Editoburgh, and 21, Polit medi, London, 1

To be published this day (Saturday, 17th Feb., and delivered in the principal home all over the converge on the 14th or 15th, No. V. of a new pertonism, contined the BRACTICAL MECHANIC'S and ENGINEER'S MAGAZINE——being a Cyclope in of the Physical Science, Gauera Libraries, and Journal of the Progress of Inventors and Improvements. The collectic treated on continuously will be extent philosophy, chemistry, continuously will be extent philosophy, chemistry, continuously and correlations, and come, physically, geology, evil history, brography, also articles on political and moral science. The relative and the various improvements in arts and colones, practical treations will considerably be given on the various tractor and manufactures, and the winds the results of the continuous phase. Each Number will contain farty pages, [19] including by 71 broad, set in herefore type, often eight peace.

PRACTICAL TREATISE ON THE MANUFACTURE OF IRON -J. BORRON, 106, Chestand-street, Philadelphia (U.S.), pro-

Comprising a feel assessment of its different open, therit analysis, 4..., the various receives an ample descriptibilities of the forecomes, foregoe, reciping midils, 4..., 4.4., an event of variously very large picking, which are all decrease reliables midils, 4..., 4.4., an event of variously very large picking, which are all decrease reliables middle in many in a control of the control of the second process of the control of the second work too irror of Mesoner. Le Blace and Walter, and control all its annearmorphism work for irror of the control and be the United States, and States, and

#### LAW INTELLIGENCE.

HIGHLY IMPORTANT RAILWAY DECISION.

M'MAHON v. THE NORTH UNION RASLWAY CORPANY.—The long expected decision in this case has been published, by which the turn of 13,7001., with full costs, has been awarded in favour of the plaintiff. It had been referred to the sole arbitration of Mr. John M'Neill, the eminent conjuncy, and we believe the following to be an accurate summary of the case; —The plaintiff was the active partner in the long established and highly respectable well-known firm of Henry, Meillen, and M'Mahon, of Dublin, the extensive undertakers for public works; gone years shoot they took reversive tensive contracts on the North Union Haliway, which expired took reversive extensive constructs on the North Union Haliway, which expired to Cotober, 1940, the measurements and accounts were gone took they took reversive extensives contracts on the North Union Haliway, which expired to Cotober, 1940, the measurements and accounts were gone took by Mr. Vignoies, the engineer-in-chief of the company, who certified, in the usual moment, the amount due to the plaintiffs, and, by virtue of the powers vested in him by the contract as sole referre, and in the exercise of his judgmost and aquity, awarded the balance to be paid. Contrary to all usage, the company refused to abide by the award of their own engineer, and thereby there a momentary refused to abide by the award of their own engineer, and thereby there a momentary refused to abide by the award of their own engineer, and thereby there a momentary refused to abide by the award of their own engineer, and thereby there a momentary refused to abide by the award of their own engineer, and thereby thereby a momentary refused to a bide by the award of their own engineer, and thereby thereby the court, about a two long the several value attempts at a composule, the plaintiff brought his action, but, when ripe for trial, it was referred, by a rule of court, about a well-summath of the subject. The whole of the working drawings, we have been appropriated to the plain

LECTURES ON CIVIL ENGINEERING, WITH PRACTICAL ILLUSTRATIONS.

CTURES ON CIVIL ENGINEERING, WITH PRACTICAL ILLUSTRATIONS.

BY PROFESSION VIGNOLES, C.S.

IN Wednessley, the 19th test, Profession Vignoles Gelivered his Introductory Lecte to the accord course of lectures. On Civil Engineering. "He obsted that,
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THE MINING JOURNAL,

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A few days ago, as some men were ramming in the powder to blow up a portion of the rock of the tunnel fie the Paris and Rosen Railway, in Rollehoise, an explosion took pince, and the iron rod, which had been used as a rammer, entered the breast of one of the workmen and killed blom. Another man had his leg broken, and a third was severely injured.

On Monday freeness, one of the instinced plane capes of the Dalkeith Railway broke when hashing up a train of leaded waggons, but the reli-acting stougher, used on this line, poverated any had consequences, except the delay of the twelve o'clock passenger train for these minutes, while the waggons were being taken to the bottom of the plane, in order to be drawn up on the apposite side. This constraince has been used for many years on this railway, and in every instance has been used for many years on this railway, and in every instance has proved thoroughly effectual.

RALLWAY, AND CONNERCIAL, GAZETTE

Secretary of the secretary control of the contr

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enggood p on the sin rails.—On promise of the control of the

we earth the bases of terrestrial matter, and being the source from whence moreous terrestrial orders, genera, and species, derive their being, and se enabled (aided by the elements) to live and propagate their species. Of the order and disposition of matter, as primarily manifest in the cean, while free from terrestrial depositions and admixtures, the limetens rock, as formed beneath the waters, is NEVER straifed while it re-class is the state for, whether the fabric, consolidating as it readmalls. seean, while free from terrestrial depositions and admistures, the limeatome rock, as formed beneath the waters, is NEVER stratified while it remains in this state, for, whether the fabric, consolidating as it gradually
rises to the surface of the waters, he built by one particular species, or by
ten thousand, the same result is manifest—a ponderous aggregate mass.
It is true, that local disturbances often cause a total cessation of action,
and thus the increase of the consolidated mass may be prevented for a
tlase by a sudden eruption of calcareous matter, or comminated particles
of organic hodies, and a stratum is formed upon the underlying bad of
rock; but here the effect is manifest, until the entire body becomes ale,
wated above the surface of the waters, and the subject of new influences,
the overlying materials changing according to the nature of local affections, the limestone becoming simply more crystallins, or intimately
matted in its atomic parts. Sometimes the bads formed within the valleys
and troughs of the seas, from occasional irruptions of matter, differing
from their general composition, present a stratified appearance, but such
is soldom the case out of the action of the currents. In fact, the phenomens of strata are but few, consisting in general of beds and hills of sands,
or decomposed and decomposing bodies, loosely or compactly united in
their parts. It is after the occasic accumulations appear above the waters
that the innumerable phenomena attached to, and proceeding from, terrestrial matters are developed thus, in those localities where disturbing
forces are manifest, and terrestrial matters are periodically, or continually,
deposited within the ocean, the beds are stratified, and are formed by
sedimentary depositions alone, the polypes being unable, from these disturbing causes, to extend their edifice, being, in their generations, overed
with terrestrial matters.

Donati matters of the bed of the Adriatic as consisting of calcareous

with terrestrial matters.

Donati speaks of the bed of the Adriatic as consisting of calcareous matter, several hundred feet in thickness; the bed of the Mediterranean varies in its formations, as the conjoint union of terrestrial and oceanic matter may determine, the sum of each constituting the particular result. The Athantic, Indian, and Pacific Oceans, are more or less governed in their formations by these conjoint influences, each being in localities comparatively exempt from them, but in all parts of the ocean the like phenomena of production is manifest, not as being exclusively oceanic, but as being primarily produced within the latter, and, in the present era, contemporaneously developed in both, cause assimilating with cause, effect with effect.

ROYAL POLYTECHNIC INSTITUTION, 309, Regent-street.

## MEETINGS OF SCIENTIFIC BODIES.

SOCIETY,	PLACE OF MERTING.	BAT.	84	SUR.
Boyat Botanical	Regent's park	. Saturday	4	F. M.
	Waterion-place			F.M.
Birtish Architects	16, Greevence-street	. Monday		P. M.
pladicul	Bolt-court, Firet-street	Monday		P. M.
Linnayan	Robo squary	Tuesday		F. M.
Mosticultural	2., Regunt-airest	Inteday	2	F. M.
Civil Engineers	25, Great George-street	Tuesday		F. M.
London Electrical	Adelaide street	Tuesday		F. M.
	47, Lebrester square			P. M.
	Arte total			
London Institution	. Plushury circus	Wednesday	12	P. M.
Microscopical	21, Megent street	Wednesday		F. M.
	Somerset House			
Assignments	. Somernet House,	Thursday		P. 56:
Berral Institution	Albemarie street	Friday	má	P. M.
	Bomerset House			F. W.
Biological	. 76, Bedford street, Cov. g	Friday		P. 16.
	. 14. toraffero etpart			
Westwinster Medical	Excter Mall	Saturday		P. M.
	Cutanin street, Bullaidelds			

\* The solves of the President of the G clegical Seciety (B. I. Marchison, Esq.

### PUBLIC COMPANIES.

	WESTENGS.
Cundongs Minteg Association	George and Volture Pavern . Feb. 12 1.
Marrocal and Carbole Sailway	Aspatria II It
	theorge and Vulture Tavern 14 1,
	London Tavern z. 14 1.
	er, Waterlees Ro. me, Stroningham 16 12.
	ta, Office, Manchester
	George Hotel, Glasgow 14 2-
Ripmentatio (temeral Shipping Co.	Newcastle ages Type id I.
	London Taverel Hickopagulo at 17 12.
Characte Bollway recognition	theorye and Vallace Pavern 17 2.
	. 1/, King's Arms yard 18 2.
	Bell Hotel, Giosecolet 18 I.
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	B. as and Castle Botel, Caford et. 12 6.
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Thomas Manney Poorly and Maddie	y f, 40 bibliog a sense to the training of the training
	So, character, A wife a service at a 20 area to
	througe and Vulture Parets
	Office, Prince a street
	n. 2, Old Broad street
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### METEOROLOGICAL JOURNAL, 1842

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#### NOTICES TO CORRESPONDENTS.

IRON TRADE.—The statement of the Number of Purnaces in and out of Blass postponed, in expectation that, by our next, we shall receive such information will render the table perfect, and time form, in a concine manner, a complete new of the present state of the iron trade.

where of the present state of the non-mone.

Mr. C. Hood, on the Combestion of Coal, and the Use of Hot Air in Furnaces—Mr. F. Parkin, on Hallway Engineering—"A. B.,\*" on Speiter Macumeture—Mr. Martin, on Explosions of Steam-Boilers, with neveral others, necessarily omitted, will be incerted in our next.

If the directors of the Diamond Mine will forward us their weekly reports, duly authenticated by the agent's name, they shall be regularly inserted in the Journal e are in possession of some valuable statistical information, illustrative of the progress of mineral industry in several countmental countries, which we shall im-before our readers as opportunity offers.

ne first portion of the paper, boserted in another part of this day's Journal, on the properties of lists and Cold Blant Cast-from, is extracted from the Glasgow Free Med Mechasic, which publication, we are glad to observe, continues to be conducted with so much spirit and talent, as fully to merit the high commendation we passed on the earlier Numbers.

#### THE MINING JOURNAL, Blailway and Commercial Gagette.

#### LONDON, FEBRUARY 12, 1842.

The general application of wire rope to mining, railway, and shipping purposes, induces us to return to the subject; in treating shipping purposes, induces us to return to the subject; in treating on its economy in the first cost, its safety, diminution of size and weight, as compared with hempen rope, and its durability, in which the main saving may be said to consist. A paper, written by M. Ls. Blanc (Chief Engineer of Bridges and Roads of Great Span), on the Comparative Advantages of Wire Rope and Bar-iron in the construction of Suspension-bridges, illustrates the great superiority which the former possesses over the latter in point of strength and in diminution of cost, and to which we may add, as further evidence of the advantages possessed by the wire rope over hempen rope, the letter of Mr. Andrew Smith, the patentee, which we have also inserted in our present Number. Mr. Smith, in his letter, principally confines himself to the application of wire rope rope, the letter of Mr. Andrew Smith, the patentee, which we have also inserted in our present Number. Mr. Smith, in his letter, principally confines himself to the application of wire rope to standing rigging, and, by the comparative sizes, weights, and cost of wire rope, hempen rope, and chain, demonstrates its great superiority. It is, however, with reference to mines and collieries, as well as on railways and incline planes, that we are disposed to consider its usefulness, which is rendered evident by its adoption in several of the mining districts, including the county of Cornwall, the North, in some of the Midland districts, and also in Ireland.

We have seen several reports from parties who have had the wire rope in use for a considerable time, who speak in the highest

wire rope in use for a considerable time, who speak in the highest terms of the advantages it possesses over hempen rope or chain for mining and colliery purposes; and the employment of it on the London and Blackwall, and other lines of railway, affords conclusive evidence of the value attached to the invention. The experiments made at Woolwich, by direction of the Lords of the Admiralty, noticed by us at the time, it will be remembered, were of a highly satisfactory nature, and its increased application to mining and other purposes, since that period, fully confirms the opinions we then expressed. wire rope in use for a considerable time, who speak in the highest

It will be observed, by reference to another column, that the adjourned sale of tin by the Miners' Company came off on Thursday, when the opposition to the measure, and the disinclination of parties to purchase, were manifested by the fact, that not one single offer was made throughout the sale, although a highly respectable and influential body of gentlemen connected with the trade were and influential body of gentlemen connected with the trade were present. We insert a letter on the subject, from a correspondent who signs himself "One of the Sufferers," but how he has suffered we feel at a loss to make even a guess, without he would wish us to set him down as one of the private smellers, in which case he would, perhaps, illumine us, by showing that the price paid by them for black tin at the ticketings during the past quarter has been higher than the market price of white tin would justify, or, in other words, that the private amelter has been working to the loss, through the system adopted by the company. We will endeavour next week to give a comparative view of the prices of black and white tin for the past twelve months. The arguments and the conclusions at which our correspondent arrives, might be valuable, if the data to give a comparative view of the prices of obsex and white the for the past twelve months. The arguments and the conclusions at which our correspondent arrives, might be valuable, if the data were admitted, for which we are not prepared. The letter will, however, doubtless elicit further correspondence, which we are anxious to receive—for the Miners' Company works either for good or ill, and the anoner the fact is demonstrated the better for the miner as well as all concerned. miner, as well as all concerned.

The contrast afforded by the course pursued by our Government, when placed in juxta-position with that of France, says but little in favour of the apirit and enterprise of this country were Government measures, as regards railway communication, to be alone considered. We are fully sensible of the difficulty attendant on the adoption of any measure which might tend to interfere with on the adoption of any inexative which might tend of interiore with individual enterprise, and the vast capital expended within the past few years, in the construction of the several lines of railway, afford conclusive evidence that the aid of Government is uncalled for, except under peculiar circumstances—while in France any great operation must emanate with the Government, there not being the spirit abroad which is displayed in this country, and to which is to be attributed the many living stock assectations for mines railways. shiributed the many joint stock associations for mines, railways, banks, docks, canals, and other undertakings requiring a large outlay. We have been led to the consideration of this subject from the nature of the reply of Lord Ellor to an inquiry made in the House of Commons during the past week, on subject of railways in Ireland; from which we gather that the various plans laid before Government have not yet received the necessary consideration, adding, that he believed Ministers were not disposed to give their sametion to any plan that would involve any advance of the public money, or that would saddle this country with any expense for carrying out the object in view—but that Government would be pre-

rying out the object in view—but that Government women by pared to give every encouragement to private enterprise.

Let us now turn to the course pursued by the French Government, as relates to railways in France. A project has been brought to 8 tons; lessl, 34 tons; copper, 90 tons; and that of quick-silver, entered forward in the Chamber of Deputies, by the Minister of Public at London is as follows:—1839, 331,247 lbs.; 1846, 227,378 lbs.; 1841.

310,689 ibs. penne of which is estimated at 400,000,000f. Paris forming the one terminus—the acceral lines are enumerated as leading to the frontier of Belgium by Lille and Valenciennes—to England by a point of the coast of the Channel, which shall be determined hereafter—to the frontier of Germany by Straiburg—to the Mediter-ranean by Lyons, Marseilles, and Cette—and to the ocean by Bor-deanx and Nantes. These several lines, it is contemplated, are to be executed by the co-operation of the state, of the departments on the state, of the departments on the state, in the departments on the state of foreign metals at London, Livery and communes interested in them, and of private inclusively, in such proportions as may be earlier be determined.

It will be seen by this brief notice of the intentions of our own

Government and that of France, how striking is the contrast; and here we are disposed to enter on the analogy which we consider exists, as relates to rallways in Ireland and railways in France which leads us to the conviction that our Government would do which leads us to the conviction that our Government would do well to follow the example set by our continental neighbours, in all selling assistance to Ireland, where there is an acknowledged dearth of capital and outceptine, and in which country the construction of railroads, on an extended scale, cannot be calculated again, if left to individual subscription of the funder required for their positions. In England, we admit that any professed and on the part of Government would, doubtime, he rejected, for there is not only capital ample for the object in view, but there is an in-

dependent energetic spirit which pervades men's minds, and which renders such assistance uncalled for.

In France the Minister clearly sees, that if the construction of railroads was to be left to individual industry, there would be but little chance of such progress being made, as, with the rapid strides making in this country, America, Belgium, &c., may be considered indispensable, so as to keep pace with modern improvements, and at the same time to insure to that nation correspondent advantages with those enjoyed by other countries—hence the introduction of a Government measure, with the view of carrying out with spirit the proposed system, and which, in our opinion, is equally applicable to the Sister Isle, for we feel assured, that, with increased facilities, there is no country which offers prospects so favourable as cilities, there is no country which offers prospects so favourable as that of Ireland for an increase of trade and inter-communication, and from which remunerative returns would assuredly result.

The periodical meetings of the different joint-stock banks again show those useful undertakings to be, with but few exceptions, in a particularly healthy state—the dividends averaging a higher rate than those obtained upon any other description of vested capital; while the general terms of satisfaction expressed by proprietors, with reference to the explanations elicited as to the situation of their affects the course of management averaged for while the general terms of satisfaction expressed by proprietors, with reference to the explanations elicited as to the situation of their affairs, the course of management pursued, &c., must be highly gratifying to all concerned in those institutions. We subjoin a list of dividends declared at the meetings that have already taken place, and shall, on their conclusion, give them entire in a tabular form:—Birmingham Banking Cumpany, 12½ per cent. per annum; Bilston District Bank, 7 per cent.; Bank of British North America, 24s. per share; Bradford Banking Company, 10 per cent.; Burton, Uttoxeter, and Staffordshire Bank, 10 per cent. per annum; Callisle and Cumberland Bank, 7½ per cent.; London and County Bank, 5 per cent.; London Joint-Stock Bank, 3 per cent. for the half-year; Liverpool Union Bank, 5 per cent. for half-year; Liverpool Union Bank, 5 per cent. for half-year; Lancaster Banking Company, 10 per cent.; Leicestershire Banking Company, 12 per cent.; Messrs. Moore and Robinson's Nottinghamshire Banking Company, 10 per cent.; National Bank of Ireland, 6 per cent.; National Provincial Bank of England, 6 per cent.; New-castle upon-Tyne Joint-Stock Bank, 6 per cent.; Newcastle, Shields, and Sunderland Union Banking Company, 10 per cent.; North-amptonshire Union Bank, 7s. per share; Sheffield and Rotherham Bank, 10 per cent.; Sheffield Banking Company, 6 per cent.; Sheffield Banking Company, 6 per cent.; Sheffield Banking Company, 8 per cent.; Union Bank of Australia, 10 per cent.; West of England and South Wales District Bank, 3 per cent. for the half-year; Wakefield and Barnsley Union Bank, 8 per cent. whitehaven Bank, 15 per cent. for the half-year; Wakefield and Barnsley Union Bank, 8 per cent. for the half-year; Wakefield and Barnsley Union Bank, 8 per cent.; West of England and South Wales District Bank, 9 per cent.; West of England and South Wales District Bank, 8 per cent.; West of England and South Wales District Bank, 9 per cent.; West of England and South Wales District Bank, 9 per cent.; West of

#### ADJOURNED QUARTERLY SALE OF TIN.

ADJOURNED QUARTERLY SALE OF TIN.

The adjourned sale from the 27th ult., of tin belonging to the Miners' Company, was appointed to take place on Thursday last, when the several lots, consisting of 1165 blocks common tin, 750 blocks refined, 515 blocks tin plate grain tin, 145 blocks best grain, and 10 tons ingots common, were put up, without obtaining a single offer. We never witnessed so determined and dogged a silence as that observed throughout the proceedings—Mr. Short, to whom the business of the day was committed, being the only one whose voice was heard from the commencement until the close of the sale (if such it can be termed), when not a single block was sold. It was apparent from the moment of Mr. Short mounting the restrum that the highly respectable and numerous assemblage had resolved on adopting one course—some being probably induced to attend from motives of curiosity, others to watch the proceedings, and those in want of tin being anxious to see the effect which the sale would have on the price of the article, being satisfied that the entire stock would not be sold off. The result was, as already stated, that all the lots were bought in, the nominal, or upset prices, being common 55s. to 55s. 6d., respectively of the private contract for any number of the lots; upon which Mr. Forster wishing to understand distinctly that by such announcement the company had determined on not trying the effect of a further public sale, Mr. Short, in reply, stated that the directors were in no way shackelled by the announcement he had then made, as they were at liberty to sail by private contract or by public sale, and that their future course would be determined by circumstances; he gave no pledge, but had only to 'repeat, that at present he was open to negotiate with parties by private contract. Thus terminated the proceedings of the day. The room was well steemed, and several influential merchants and brokers were present. We understand that subsequent to the sale the whole of the refined tin, tin plate grain,

### STATISTICS OF THE METAL TRADE.

It appears, from the official returns, that the quantity of foreign and British metals exported from London and Liverpool, for the years ending 31st December, 1840 and 1841, are as follow:—

	1640.		1641.	Increase	e. 1	Degrees.
Iron in bare, hoops, &c tons	167,187		137,138	 29,741		_
Steel	1,794	****	3,453	 1,443		-
Copper in cakes, &c	8,414		31,8-47	 114		, months
Copper in sheets and nails	6,181		3,155	 	***	1,136
Tio in blocks and bars m		** *	3,143	 1,094		manne
Tin plates boxes	191,716		216,874	 25,788		-
Lead in pigs, sheets, &c tons			8,429	 	****	601
Speller	3,471			4100		
Ossirkaliyar Bu. 9.	TAKES BOOM		ALC: NO.	MINE NAME		-

By the account of duty paid on metals for home consumption at Lon-don, Liverpool, Hull, and Bristol, from 1st January, 1839, 1840, and 1841, it appears that iron and spelter have been imported to the following

from	Toma Joint	*** ***	2108	1305	14,797 .	2	6	19,516
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